

REV.	DATE	BY	DESCRIPTION	CHK'D	APPR'D
1	5/99	JLT	REVISED TORQUE ARM AND MOUNTING BRACKET LOCATION PER ENG COMMENTS		
00	9/98	DEO	SUBMITTED FOR APPROVAL		

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CITY OF WESLACO  
W.W.T.P. ADDITIONS & ALTERATIONS  
CITY OF WESLACO, TEXAS

5300 MAMMOTH ROTOR AERATOR

DRAWN	D.E. DEGNER
CHECKED	
APPROVED	
DATE	09/28/1998
SAVE NAME	9818-53\0100S1

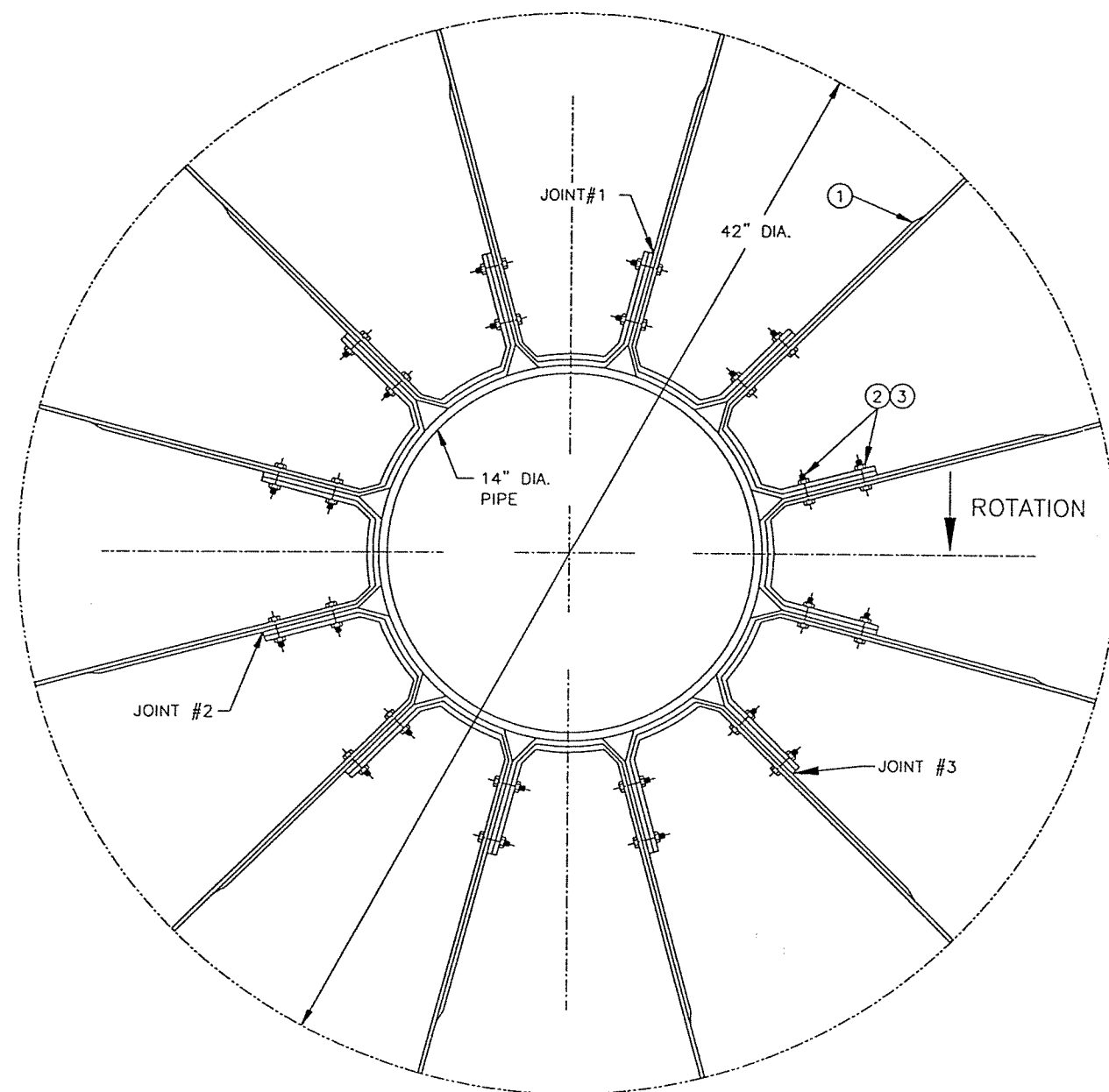
LINE IS 1" ON ORIGINAL DWG.	0" = 1"
ADJUST SCALE ACCORDINGLY	
SCALE	NONE
SHEET	1 OF 7

**USFilter**

ZIMPRO PRODUCTS  
ROTHSCHILD, WI. 54474

DRAWING NUMBER  
**0798-1853-01**

REV. **1**

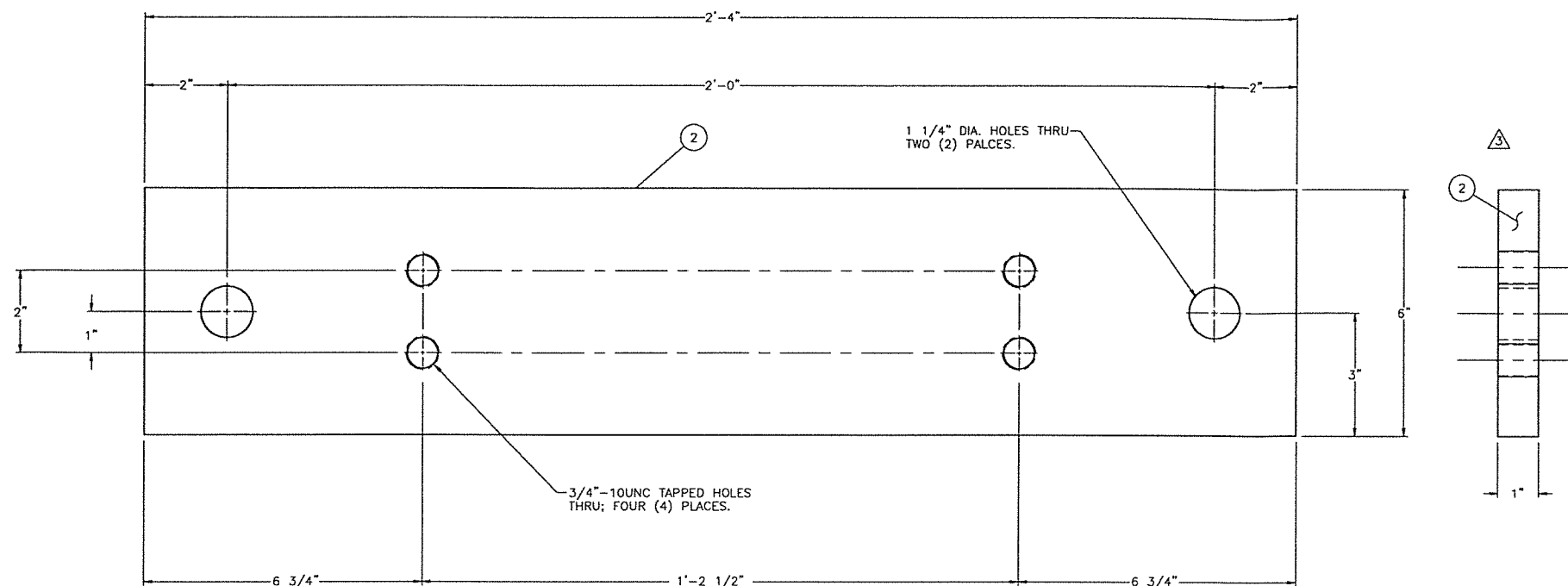


ITEM NO.	QTY PER ASSY	TOTAL QTY	PART NUMBER	DWG SIZE	DESCRIPTION	UNIT WEIGHT	TOTAL WEIGHT	MATERIAL	E SYM.	P.O. / STOCK NO.
1	1	12	5300-5220-16	B	ROTOR BLADE; 10 GAGE (.1345) x 3" WIDE x 1'-10" LONG. (FOR 42" DIA. ASS'Y.)	2.5#	30#	304 STN.STL.	P	
2	2	24	4114-1614	-	H.H.C.S.; 1/2"-13 UNC x 1" LONG.	-	2	18-8 STN.STL.	P	
3	2	24	-	-	HEX NUT; 1/2"-13 UNC ; SELF-LOCKING (NYLON INSERT LOCK NUT)	-	1	18-8 STN.STL.	P	
ESTIMATED TOTAL WEIGHT =							33#			

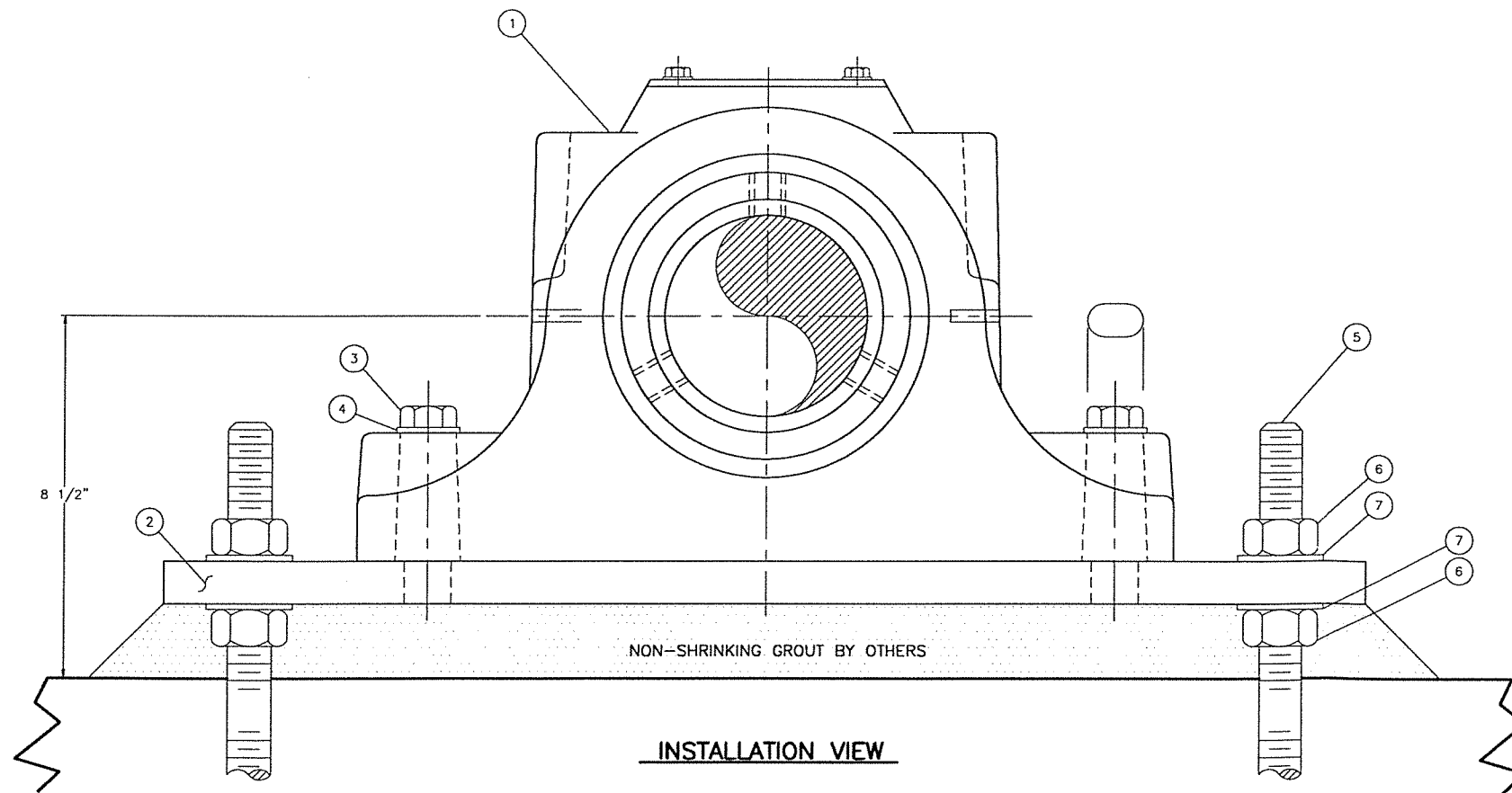
ASSEMBLY PROCEDURE:

1. PRE-ASSEMBLE BLADES IN 3-SECTIONS; WITH 4 BLADES PER SECTION. ALL BOLTS ARE TO BE TORQUED TO 70 FT.-LB. WITH AN AIR WRENCH.
2. ASSEMBLE BLADE SECTIONS ON THE ROTOR TUBE. TORQUE ALL THE OUTER BOLTS AT JOINTS #1, 2, & 3 TO 70 FT.-LB.; THEN TORQUE ALL INNER BOLTS AT JOINTS #1, 2, & 3 TO 70 FT.-LB.

				TOLERANCES UNLESS NOTED				<small>THIS DOCUMENT AND ALL INFORMATION CONTAINED HEREIN ARE THE PROPERTY OF THE UNITED STATES FILTER CORPORATION AND/OR ITS AFFILIATES ("USFC"). THE DESIGN CONCEPTS AND INFORMATION CONTAINED HEREIN ARE PROPRIETARY TO USFC AND ARE SUBMITTED IN CONFIDENCE. THEY ARE NOT TRANSFERABLE AND MUST BE USED ONLY FOR THE PURPOSE FOR WHICH THE DOCUMENT IS EXPRESSLY LOANED. THEY MUST NOT BE DISCLOSED, REPRODUCED, LOANED OR USED IN ANY OTHER MANNER WITHOUT THE EXPRESS WRITTEN CONSENT OF USFC. IN NO EVENT SHALL THEY BE USED IN ANY MANNER DETRIMENTAL TO THE INTEREST OF USFC. ALL PATENT RIGHTS ARE RESERVED. UPON THE DEMAND OF USFC, THIS DOCUMENT, ALONG WITH ALL COPIES AND EXTRACTS, AND ALL RELATED NOTES AND ANALYSES, MUST BE RETURNED TO USFC OR DESTROYED, AS INSTRUCTED BY USFC. ACCEPTANCE OF THE DELIVERY OF THIS DOCUMENT CONSTITUTES AGREEMENT TO THESE TERMS AND CONDITIONS.</small>													
				FRACTIONAL DIMENSIONS $\pm 1/16"$																	
				MACHINED DIM. DECIMALS		NON-MACHINED DIM. DECIMALS						ANGLES $\pm .5^\circ$									
				0. = $\pm .04$ 0.0 = $\pm .02$ 0.00 = $\pm .01$ 0.000 = $\pm .005$		0. = $\pm .375$ 0.0 = $\pm .187$ 0.00 = $\pm .125$ 0.000 = $\pm .062$						MACHINED FINISHES 125									
DD	1/98	DEE	RELEASED FOR PRODUCTION.					5300 MAMMOTH ROTOR 42" DIA. BLADE ASSEMBLY				DRAWN D.E.E.		LINE IS 1" ON ORIGINAL DWG. 0" 1" ADJUST SCALE ACCORDINGLY		<b>U.S. FILTER</b> ZIMPRO ROTHSCHILD, WI. 54474		DRAWING NUMBER 5300-4400-42		REV. 00	
REV.	DATE	BY	DESCRIPTION	CHK'D	APPR'D	MAT'L: 304 STAINLESS STEEL				DATE 01/28/1998		SCALE NONE									
												SAVE NAME 304BA-42		SHEET 1 OF 1							



**DETAIL ITEM #2**



**INSTALLATION VIEW**

ITEM NO.	QTY PER ASSY	TOTAL QTY	PART NUMBER	DWG SIZE	BILL OF MATERIAL DESCRIPTION	UNIT WEIGHT	TOTAL WEIGHT	MATERIAL	E. SYM.	PURCH. ORDER
---OUTBOARD BEARING ASSEMBLY ITEMS-70---										
BEARING:										
1	1	-	-	-	SPLIT PILLOW BLOCK BEARING; 3 15/16" DIA.; DOUBLE INTERLOCK; (EXPANSION UNIT) WITH E-TECT SEALS; WITH 4-BOLT BASE. 100% FACTORY FILLED WITH GREASE & THEIR SEALS PURGED. DODGE/ROCKWELL AUTOMATION.	114	114	PURCHASE	P	
SOLE PLATE:										
2	1	-	-	-	BAR; 1" x 6" x 2'-4" LONG.	47	47	ASTM A-36	SC	
HARDWARE: BEARING TO SOLE PLATE										
3	4	-	4111-2816	-	H.H.C.S.; 3/4"-10UNC x 4" LONG.	-	-	Z.P.S.	P	
4	4	-	4620-1911	-	FLAT WASHER; 3/4" NOM. DIA.	-	-	Z.P.S.	P	
ANCHOR BOLTS: SOLE PLATE TO CONCRETE BLOCKOUT (SEE ANCHOR BOLT B/M FOR QUANTITY AND MATERIAL).										
5	2	-	-	-	L-TYPE ANCHOR BOLT; 1"-BUNC x 16" LONG; WITH 5" THREADED LENGTH; 3" HOOK LENGTH	-	-	REFERENCE	R	
6	4	-	-	-	HEX NUT; 1"-BUNC	-	-	REFERENCE	R	
7	4	-	-	-	FLAT WASHER; 1" NOM. DIA.	-	-	REFERENCE	R	
TOTAL WEIGHT =						161#				

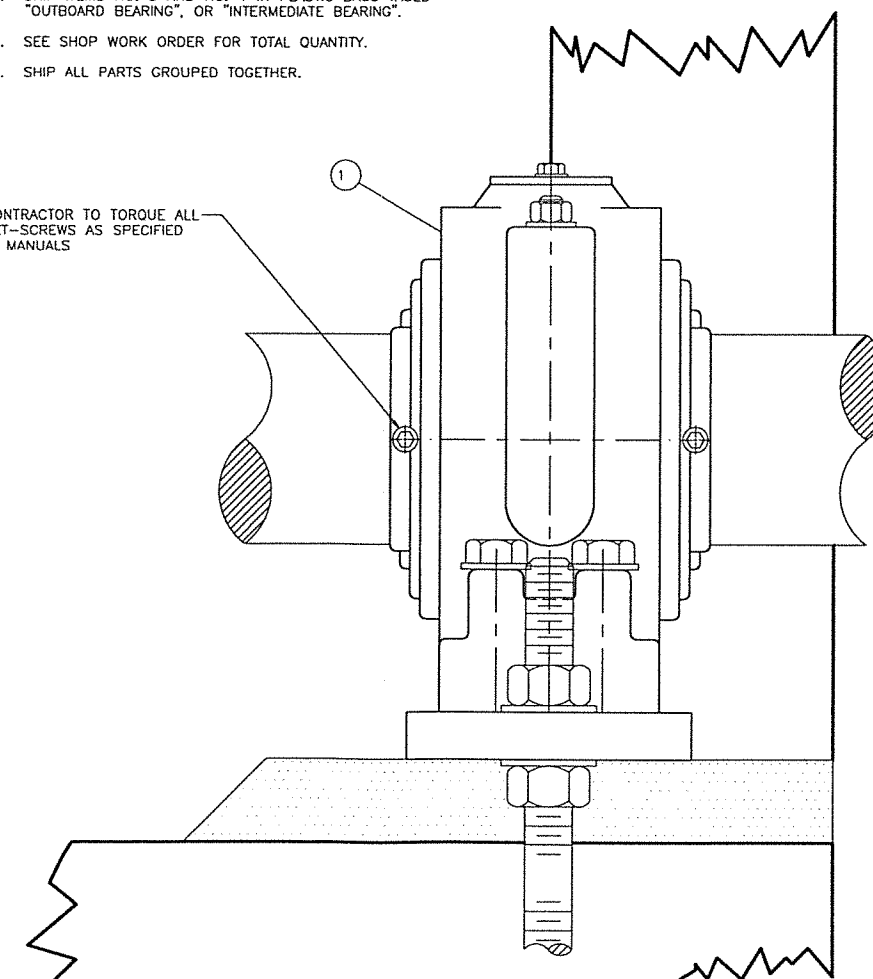
**SHOP NOTES:**

- PRIME PAINT ITEM #2 AFTER NEAR WHITE BLAST PER SSPC-SP10 WITH ONE (1) SHOP COAT OF TNECOC SERIES 69 EPOXOLINE II RED PRIMER, 3.0-5.0 MILS AVERAGE D.F.T.
- SHIP BEARINGS IN THEIR ORIGINAL BOX AS RECEIVED. TAG BOXES "OUTBOARD BEARING", OR "INTERMEDIATE BEARING". TAG ITEM #2 ACCORDINGLY.
- SHIP ITEMS NO. 3 AND NO. 4 IN PLASTIC BAGS TAGGED "OUTBOARD BEARING", OR "INTERMEDIATE BEARING".
- SEE SHOP WORK ORDER FOR TOTAL QUANTITY.
- SHIP ALL PARTS GROUPED TOGETHER.

**FIELD NOTES:**

- REMOVE COMPONENTS FROM BOXES AND BAGS TAG BOXES "OUTBOARD BEARING", OR "INTERMEDIATE BEARING". TAG ITEM #2 ACCORDINGLY.
- ASSEMBLE AS SHOWN IN INSTALLATION VIEW BELOW.

CONTRACTOR TO TORQUE ALL SET-SCREWS AS SPECIFIED IN MANUALS



REV.	DATE	BY	DESCRIPTION	CHK'D	APPR'D
03	9/97	DEE	REMOVED CLEAN-UP MACHINING ON SOLE PLATE.		
02	5/97	DEE	ADDED 100% FACTORY GREASE FILLED & PURGED.		
02	5/97	DEE	REPLACED WET DUTY SEALS WITH E-TECT SEALS.		
01	8/96	DEE	RE-DRAWN ON CAD; RELEASED FOR FABRICATION.		

TOLERANCES UNLESS NOTED					
FRACTIONAL DIMENSIONS ± 1/16"					
MACHINED DIM.	DECIMALS	NON-MACHINED DIM.	DECIMALS	ANGLES	± 5°
0.0	± .04	0.0	± .375	MACHINED	FINISHES
0.0	± .02	0.0	± .187	125	✓
0.00	± .01	0.00	± .125		
0.000	± .005	0.000	± .062		

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**5300 MAMMOTH ROTOR  
FOR OUTBOARD BEARING ASSEMBLY  
OR INTERMEDIATE BEARING ASSEMBLY**

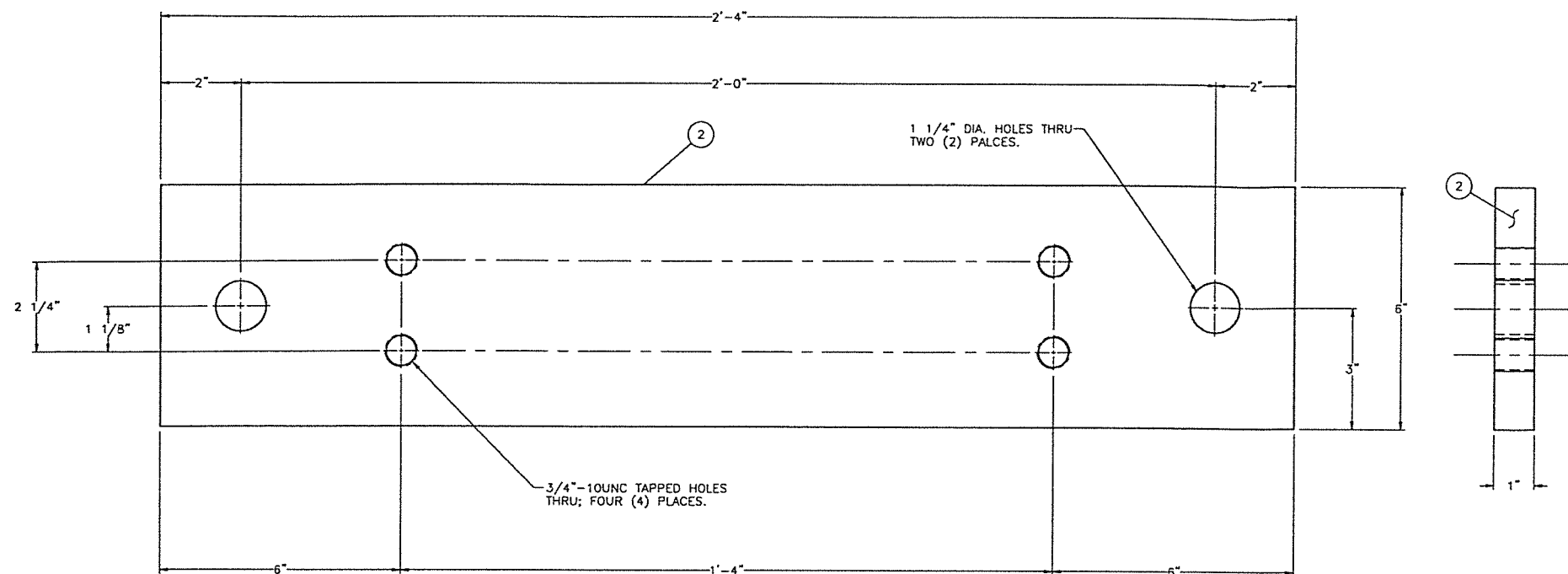
**3 15/16" DIA. EXPANSION UNIT**

DRAWN	D.E.E.	LINE IS 1" ON ORIGINAL DWG.
CHECKED	D.E.E.	0" ADJUST SCALE ACCORDINGLY
APPROVED		
DATE	08/30/1996	SCALE NONE
SAVE NAME	53005502\1300S1	SHEET 1 OF 1

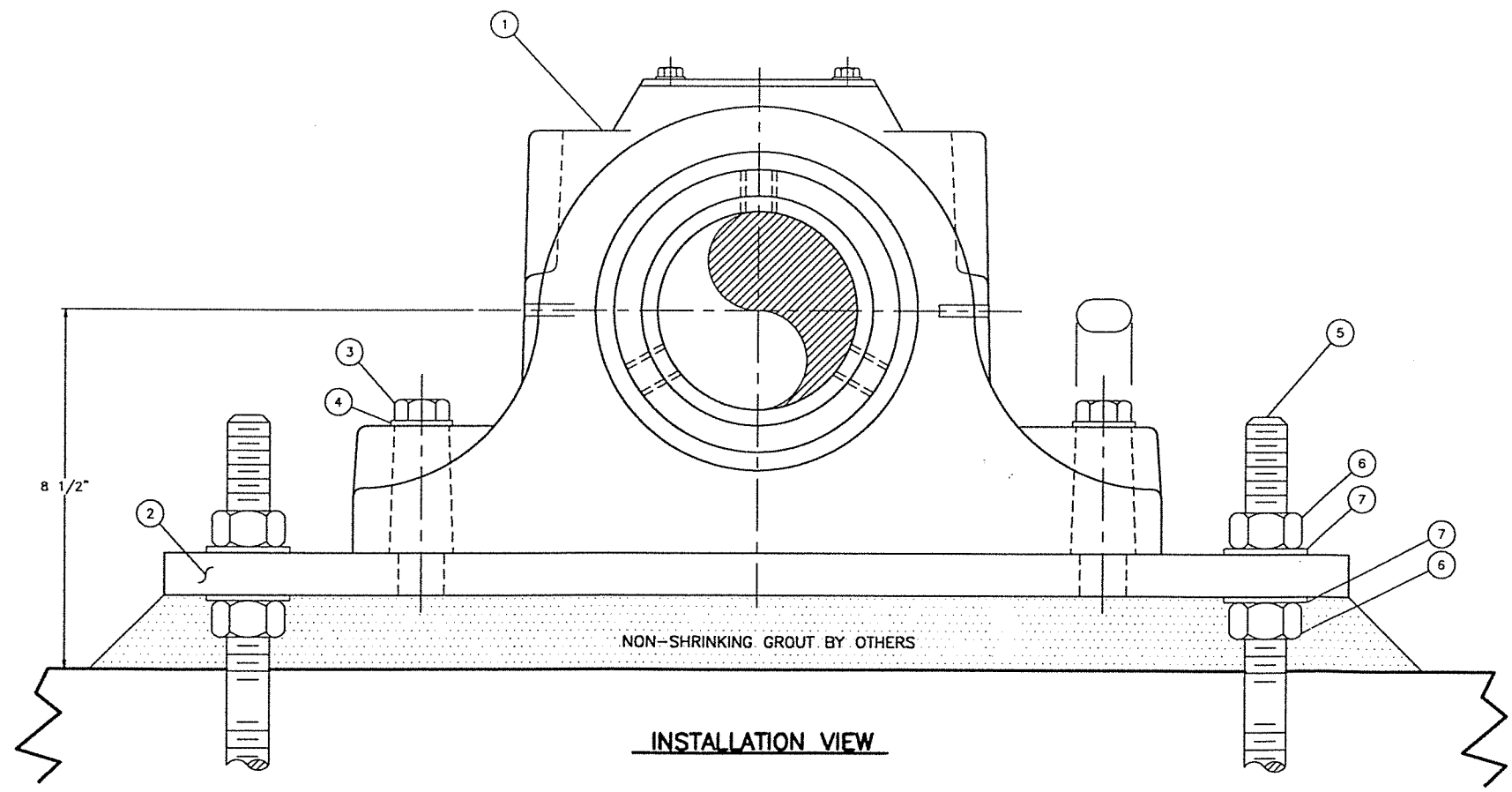
**U.S. FILTER**  
ZIMPRO  
ROTHSCHILD, WI. 54474

DRAWING NUMBER  
**5300-5502-13**

REV.  
**03**



DETAIL ITEM #2



INSTALLATION VIEW

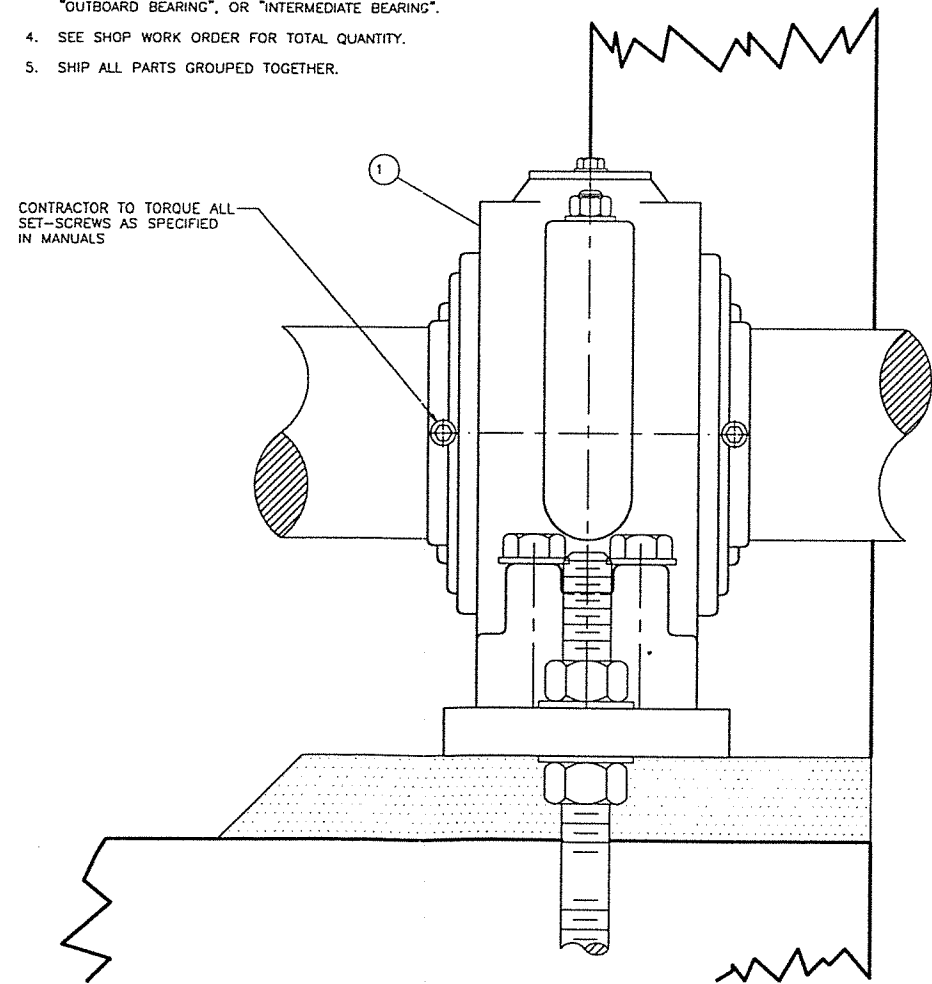
ITEM NO.	QTY PER ASSY	TOTAL QTY	PART NUMBER	DWG SIZE	BILL OF MATERIAL DESCRIPTION	UNIT WEIGHT	TOTAL WEIGHT	MATERIAL	E SYM.	PURCH. ORDER
---INBOARD BEARING ASSEMBLY ITEMS---00---										
BEARING:										
1	1	2	-	-	SPLIT PILLOW BLOCK BEARING; 4 7/16" DIA.; DOUBLE INTERLOCK; (FIXED UNIT) WITH E-TECT SEALS; WITH 4-BOLT BASE; 100% FACTORY FILLED WITH GREASE & THEIR SEALS PURGED. DODGE/ROCKWELL AUTOMATION.	139	139	PURCHASE	P	
SOLE PLATE:										
2	1	2	-	-	BAR; 1" x 6" x 2'-4" LONG.	47	47	ASTM A-36	SC	
HARDWARE: BEARING TO SOLE PLATE										
3	4	8	4111-2916	-	H.H.C.S.; 3/4"-10UNC X 4 1/4" LONG.	-	-	Z.P.S.	P	
4	4	8	4620-1911	-	FLAT WASHER; 3/4" NOM. DIA.	-	-	Z.P.S.	P	
ANCHOR BOLTS: SOLE PLATE TO CONCRETE BLOCKOUT										
5	-	-	-	-	FULL THD ROD ; 1"-8UNC x 16" LONG	-	-	316 S.S.	R	
6	-	-	-	-	HEX NUT; 1"-8UNC	-	-	316 S.S.	R	
7	-	-	-	-	FLAT WASHER; 1" NOM. DIA.	-	-	316 S.S.	R	
TOTAL WEIGHT =						186#				

SHOP NOTES:

- PRIME PAINT ITEM #2 AFTER NEAR WHITE BLAST PER SSPC-SP10 WITH ONE (1) SHOP COAT OF TNEC SERIES 69 EPOXOLINE II RED PRIMER, 3.0-5.0 MILS AVERAGE D.F.T.
- SHIP BEARINGS IN THEIR ORIGINAL BOX AS RECEIVED. TAG BOXES "OUTBOARD BEARING", OR "INTERMEDIATE BEARING". TAG ITEM #2 ACCORDINGLY.
- SHIP ITEMS NO. 3 AND NO. 4 IN PLASTIC BAGS TAGGED "OUTBOARD BEARING", OR "INTERMEDIATE BEARING".
- SEE SHOP WORK ORDER FOR TOTAL QUANTITY.
- SHIP ALL PARTS GROUPED TOGETHER.

FIELD NOTES:

- REMOVE COMPONENTS FROM BOXES AND BAGS TAG BOXES "INBOARD BEARING", OR "INTERMEDIATE BEARING". TAG ITEM #2 ACCORDINGLY.
- ASSEMBLE AS SHOWN IN INSTALLATION VIEW BELOW.



REV.	DATE	BY	DESCRIPTION	CHK'D	APPR'D

TOLERANCES UNLESS NOTED				
FRACTIONAL DIMENSIONS ± 1/16"				
MACHINED DIM. DECIMALS	NON-MACHINED DIM. DECIMALS	ANGLES ±.5°	MACHINED FINISHES	
0. = ± .04	0. = ± .375	125	✓	
0.0 = ± .02	0.0 = ± .187			
0.00 = ± .01	0.00 = ± .125			
0.000 = ± .005	0.000 = ± .062			

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5300 MAMMOTH ROTOR  
FOR INBOARD BEARING ASSEMBLY

4 7/16" DIA. FIXED UNIT

DRAWN	JL TATE
CHECKED	JL TATE
APPROVED	
DATE	01/25/99
SAVE NAME	53005502\1000S1
SHEET	1 OF 1

**U.S. FILTER**  
ZIMPRO  
ROTHSCHILD, WI. 54474

DRAWING NUMBER  
**5300-5502-10**

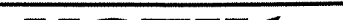

REV. **00**

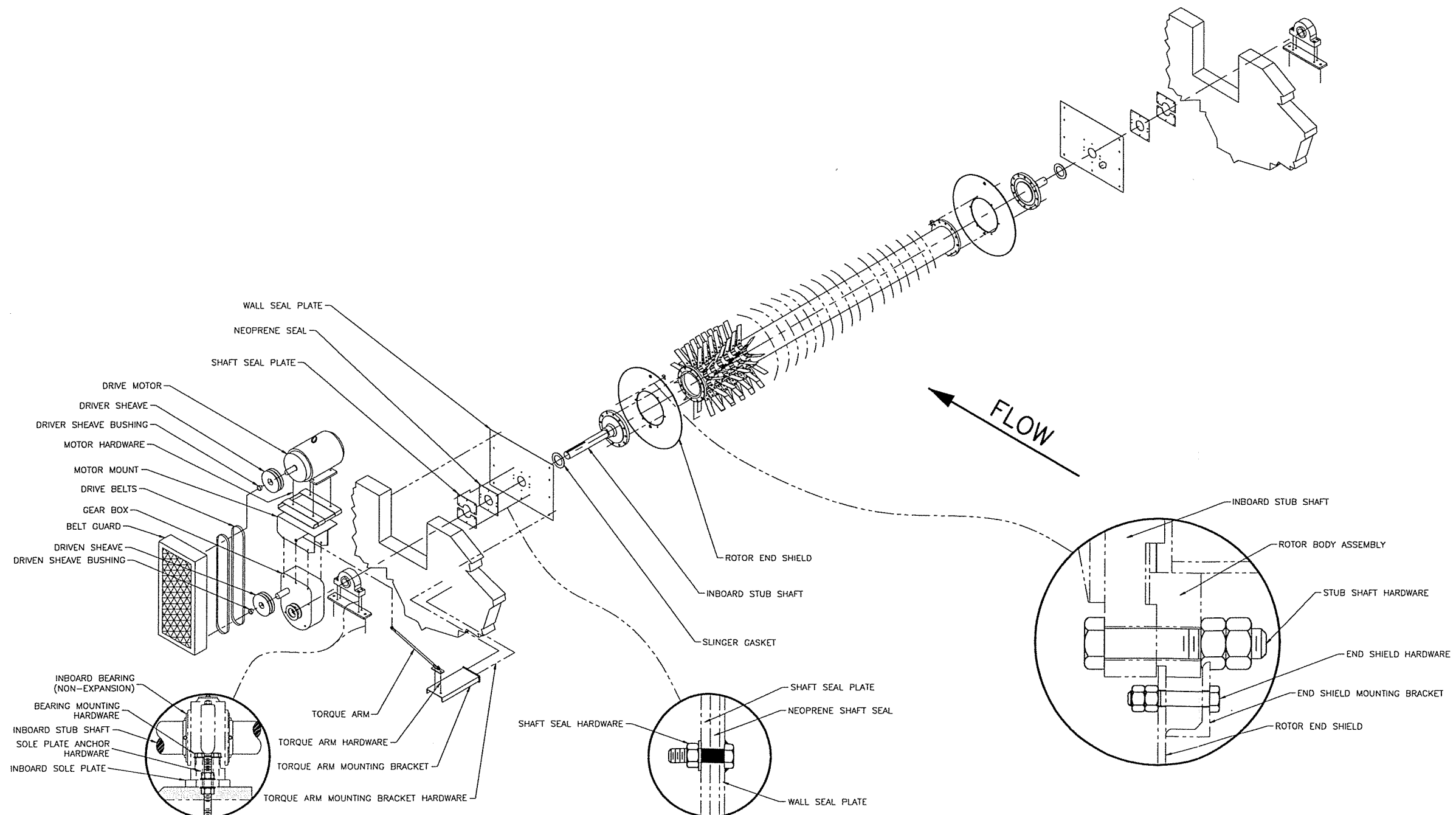




4	5/99	JLT	B00160 - RELEASED FOR FABRICATION (5/4/99)	JLT	JM				
3	4/99	JLT	B00159 - RELEASED FOR FABRICATION (4/29/99)	JLT	JM				
2	4/99	JLT	REVISED B00156 PAINT SPECS (4/29/99)	JLT	JM				
1	4/99	JLT	B00156 - RELEASED FOR FABRICATION (4/28/99)	JLT	JM				
	4/99	JLT	B00161 - RELEASED FOR FABRICATION (4/27/99)	JLT	JM				
CV.	DATE	BY	DESCRIPTION	CH'KED	APPR'D	DATE	REV.	BY	DESCRIPTION

CH	KED	APPR'D	<p>THIS DOCUMENT AND ALL INFORMATION CONTAINED HEREIN ARE THE PROPERTY OF THE UNITED STATES FILTER CORPORATION AND/OR ITS AFFILIATES ("USF"). THE DESIGN CONCEPTS AND INFORMATION CONTAINED HEREIN ARE PROPRIETARY TO USF AND ARE SUBMITTED IN CONFIDENCE. THEY ARE NOT TRANSFERABLE AND MUST BE USED ONLY FOR THE PURPOSE FOR WHICH THE DOCUMENT IS EXPRESSLY LOANED. THEY MUST NOT BE DISCLOSED, REPRODUCED, LOANED OR USED IN ANY OTHER MANNER WITHOUT THE EXPRESS WRITTEN CONSENT OF USF. IN NO EVENT SHALL THEY BE USED IN ANY MANNER DETRIMENTAL TO THE INTEREST OF USF. ALL PATENT RIGHTS ARE RESERVED. UPON THE DEMAND OF USF, THIS DOCUMENT, ALONG WITH ALL COPIES AND EXTRACTS, AND ALL RELATED NOTES AND ANALYSES, MUST BE RETURNED TO USF OR DESTROYED, AS INSTRUCTED BY USF. ACCEPTANCE OF THE DELIVERY OF THIS DOCUMENT CONSTITUTES AGREEMENT TO THESE TERMS AND CONDITIONS.</p>	<p>CITY OF WESL W.W.T.P. ADDITIONS &amp; CITY OF WESLACO 5300 MAMMOTH MASTER BILL OF M</p>
----	-----	--------	--	--

OPERATIONS TEXAS	DRAWN JL TATE		 ZIMPRO PRODUCTS ROTHSCHILD, WI. 54474
	CHECKED	LINE IS 1" ON ORIGINAL DWG 	
	APPROVED J MOMONT	ADJUST SCALE ACCORDINGLY	
	DATE 4/26/99	SCALE NONE	
OR RIALS	SAVE NAME R00004\A00010\BM-01		DRAWING NUMBER R00004-A00010
	SHEET 1 OF 2		



REV.	DATE	BY	DESCRIPTION	CHECKED	APPR'D

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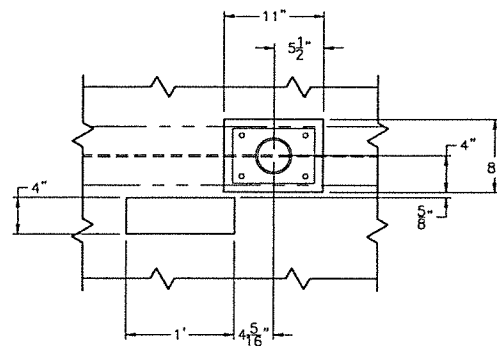
### 5300 MAMMOTH ROTOR TYPICAL INSTALLATION SINGLE ROTOR

DRAWN	JL TATE
CHECKED	
APPROVED	
DATE	5/14/99
SAVE NAME	M:\ISO_ROTOR
LINE IS 1" ON ORIGINAL DWG	0" 1"
ADJUST SCALE ACCORDINGLY	
SCALE	NONE
SHEET	1 OF 1

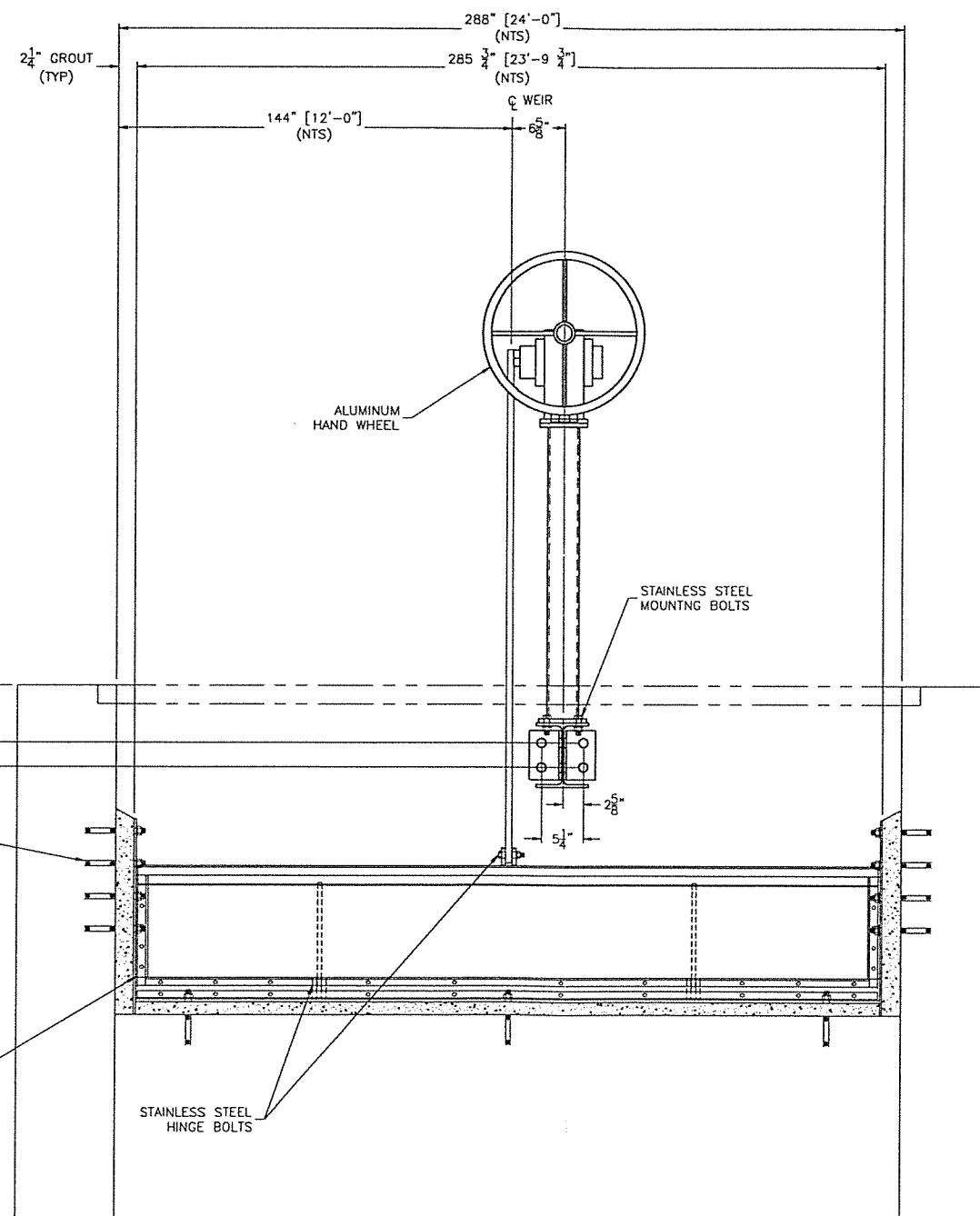
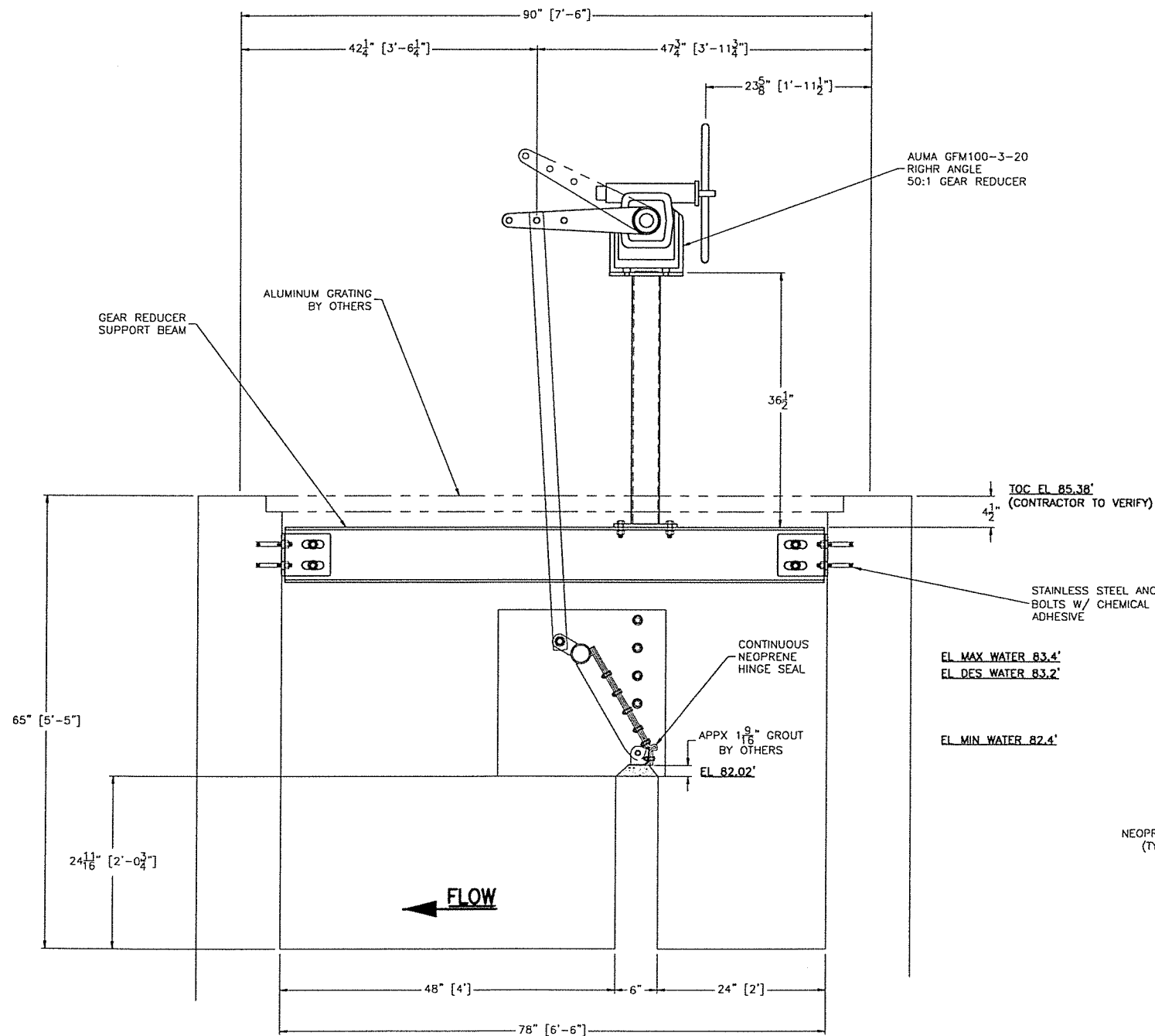
**US Filter**  
ZIMPRO PRODUCTS  
ROTHSCHILD, WI. 54474

DRAWING NUMBER:  

REV:



**ESTIMATED GRATING CUT-OUT**



**BASE HINGED EFFLUENT WIER INSTALLATION**

(VIEWED FROM UPSTREAM)

REV.	DATE	BY	DESCRIPTION	CHECKED	APPROVED
-	5/99	JLT	SUBMITTED FOR APPROVAL		

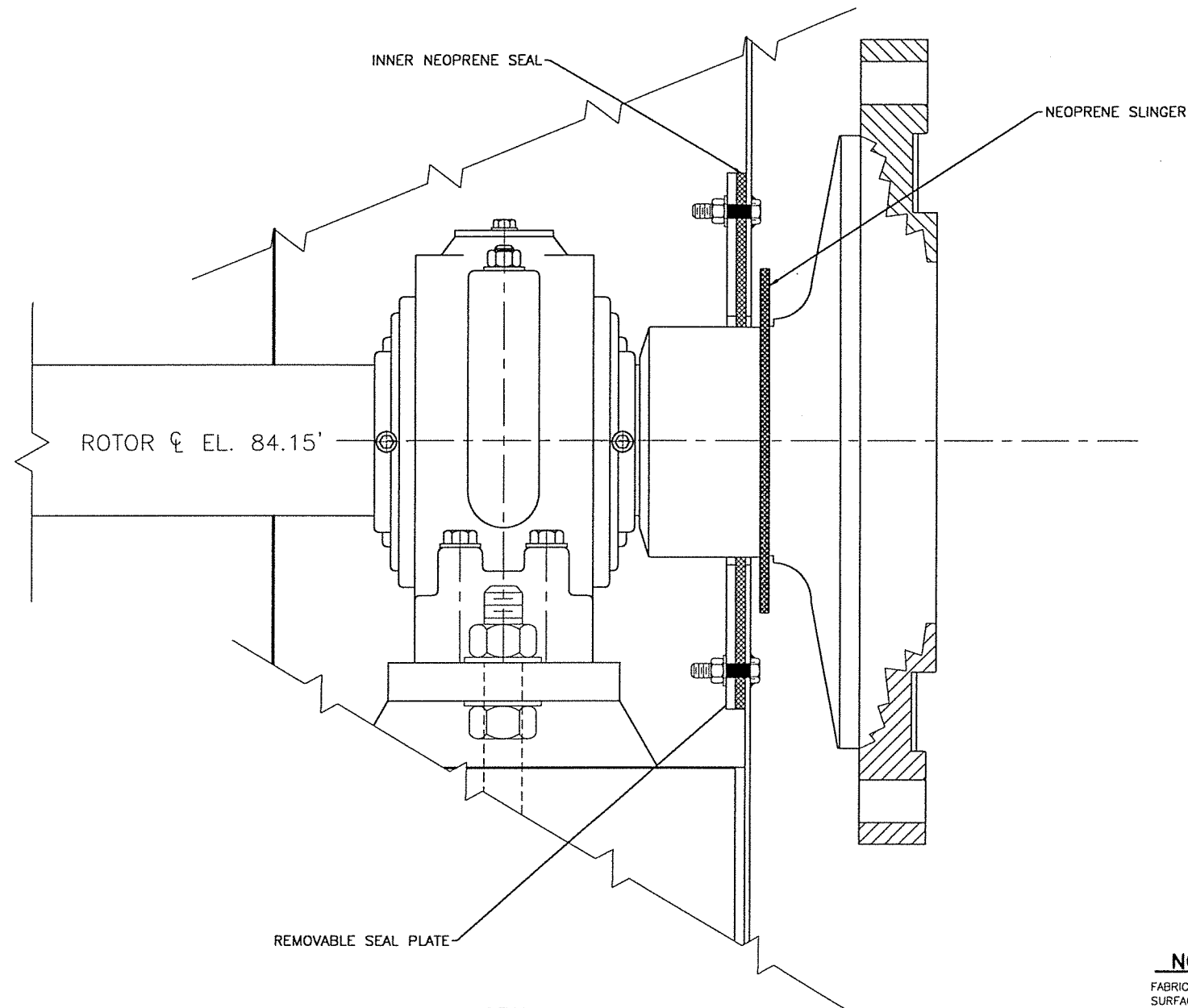
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**CITY OF WESLACO**  
**W.W.T.P. ADDITIONS & ALTERATIONS**  
**CITY OF WESLACO, TEXAS**  
**5300 MAMMOTH ROTOR**  
**EFFLUENT WIER**

DRAWN	JL TATE
CHECKED	
APPROVED	
DATE	5/6/99
SAVE NAME	9818-53\1011S8
SHEET	1 OF 1

**US Filter**  
**ZIMPRO PRODUCTS**  
**ROTHSCHILD, WI. 54474**  
**DRAWING NUMBER**  
**0798-1853-02**





**WALL SEAL**  
SHAFT SEAL ARRANGEMENT DETAIL

**NOTES:**

FABRICATED WALL SEALS SHALL BE FURNISHED FOR MOUNTING ON THE CONCRETE SURFACES. ONE (1) AT THE DRIVE ASSEMBLY END AND ONE (1) AT THE OUTBOARD BEARING END. WHERE THE SHAFT PASSES THROUGH THE WALL SEAL, REMOVABLE SEAL PLATES, AND SEAL GASKETS SHALL BE PROVIDED. SEAL PLATES SHALL BE ALUMINUM, AND SHALL BE LARGE ENOUGH TO PERMIT THE REMOVAL AND REPLACEMENT OF THE SLINGER AND SEAL. A REPLACEABLE ONE PIECE NEOPRENE SLINGER RING SHALL BE CLAMPED TO THE TORQUE TUBE SIDE OF THE WALL SEAL PLATE.

REV.	DATE	BY	DESCRIPTION	CHECKED	APPROVED
00	9/98	DED	SUBMITTED FOR APPROVAL.		

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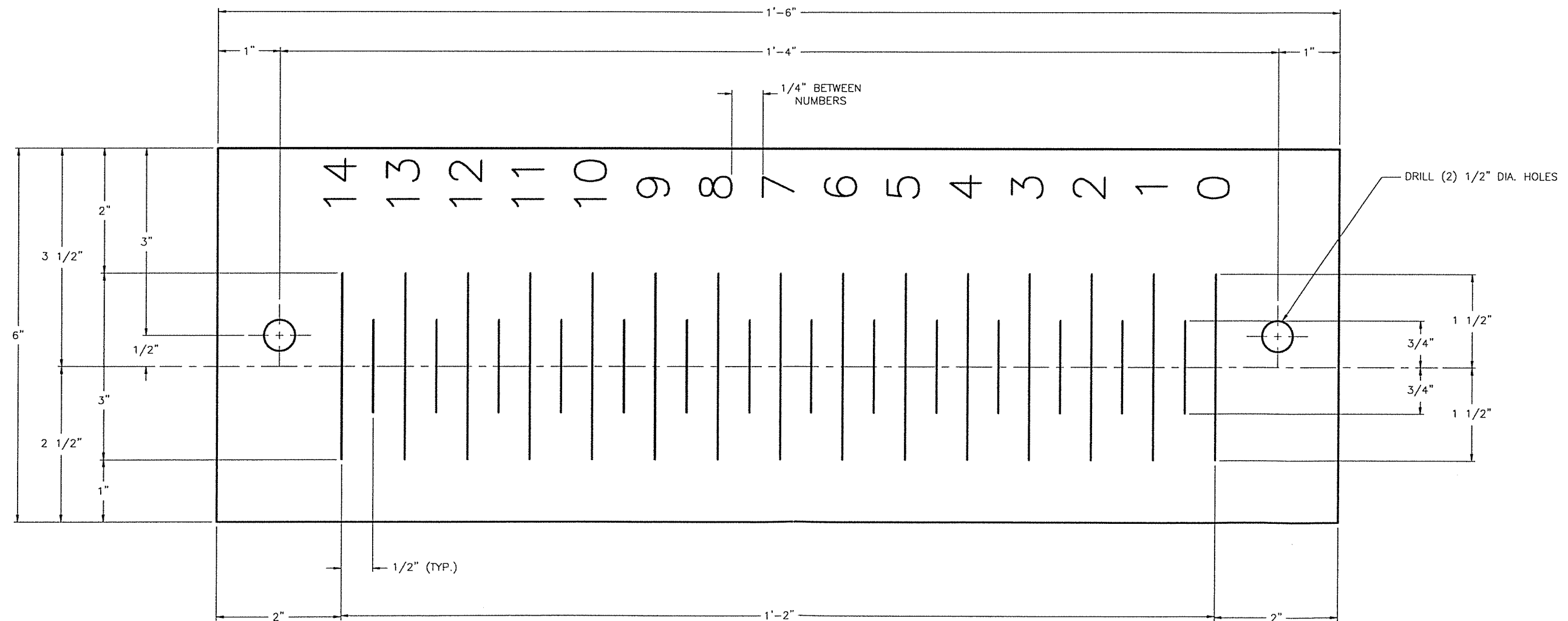
CITY OF WESLACO  
W.W.T.P. EXPANSION & IMPROVEMENTS  
CITY OF WESLACO, TEXAS  
5300 MAMMOTH ROTOR  
STANDARD SEAL ARRANGEMENT

DRAWN	D.E. DEGNER
CHECKED	LINE IS 1" ON ORIGINAL DWG. 0" 1"
APPROVED	ADJUST SCALE ACCORDINGLY
DATE	09/30/98
SCALE	NONE
SAVE NAME	9818-53\0100S6
SHEET	6 OF 7

<b>U.S. FILTER</b> ZIMPRO
ROTHSCHILD, WI. 54474
DRAWING NUMBER 0798-1853-01
REV. 00

1. AFTER ENGRAVING, ENTIRE PLATE TO BE ANODIZED PER ALUMINUM ASSOCIATION #215-R1.
2. LETTERS AND GROOVES TO BE PAINTED BLACK ENAMEL.
3. ENTIRE PLATE TO BE COATED WITH TWO (2) COATS OF POLYURETHANE.
4. GROOVES TO BE 1/8" WIDE x 1/16" DEEP. NUMERALS TO BE 3/4" HIGH, AND 1/16" DEEP.

ITEM NO.	QTY PER ASSY	TOTAL QTY	PART NUMBER	DWG SIZE	BILL OF MATERIAL DESCRIPTION	UNIT WEIGHT	TOTAL WEIGHT	MATERIAL	E SYM.	PURCH. ORDER
					<b>---IMMERSION GAUGE ASSEMBLY-08 ITEMS---</b>					
1	1	1	5300-6176-12	D	ALUMINUM FLATE; 1/8" x 6" x 1'-6" LONG.	1.3	2.6	6063-T6	SC	
2	2	2	4893-2006		WEDGE ANCHOR; 3/8"-16UNC x 2 3/4" LONG. REDHEAD #WW-3826 OR EQUAL			STN. STL.	P	
					TOTAL WEIGHT =	2.6#				




DO	9/98	DED	SUBMITTED FOR APPROVAL.		
REV.	DATE	BY	DESCRIPTION	CH'K'D	APPR'D

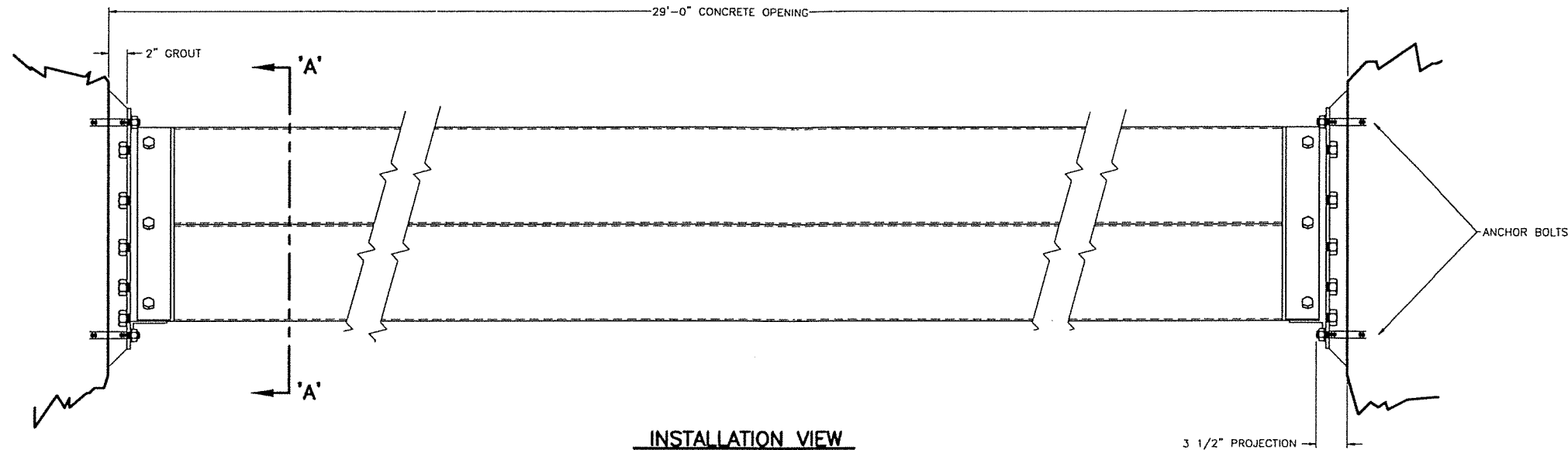
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CITY OF WESLACO  
W.W.T.P. EXPANSION & IMPROVEMENTS  
CITY OF WESLACO, TEXAS

5300 MAMMOTH ROTOR IMMERSION GAUGE

DRAWN <b>D.E. DEGNER</b>	
CHECKED	LINE IS 1" ON ORIGINAL DWG. 0"  1"
APPROVED	ADJUST SCALE ACCORDINGLY
DATE <b>09/30/98</b>	SCALE <b>NONE</b>
SAVE NAME <b>9818-53\0100S5</b>	SHEET <b>5</b> OF <b>7</b>

	
ZIMPRO PRODUCTS ROTHSCHILD, WI. 54474	
DRAWING NUMBER <b>0798-1853-01</b>	REV. <b>00</b>

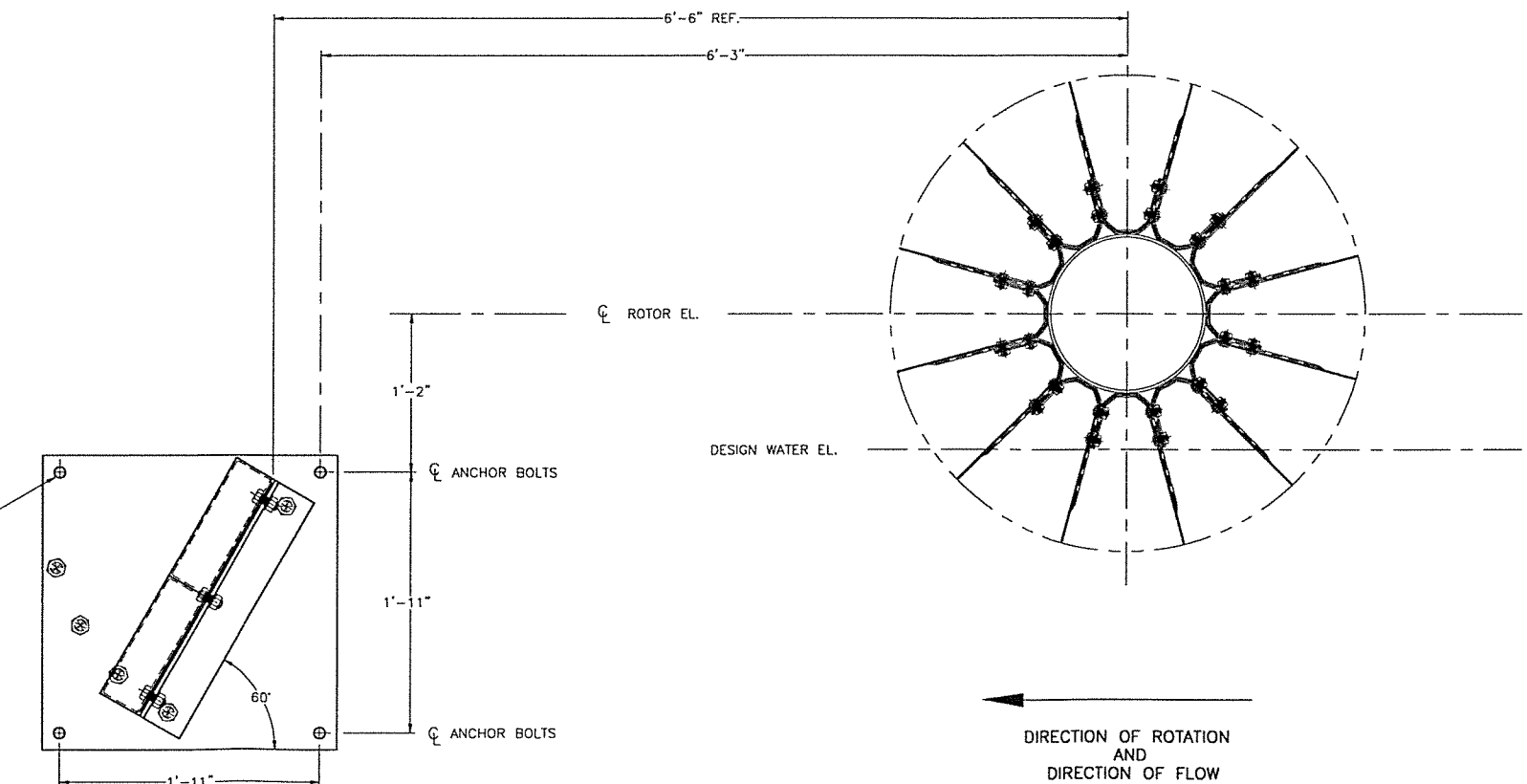


**INSTALLATION VIEW**  
TORQUE ALL ASSEMBLY BOLTS TO 100 FT.-LBS.

**GENERAL NOTES:**

- (1) SHOP TO COMPLETELY ASSEMBLE TO ENSURE FIT.
- (2) FIELD ERECTOR TO INSTALL THE BAFFLE AT 60 DEGREES OFF HORIZONTAL CENTERLINE AS SHOWN IN SECTION 'A-A' BELOW.
- (3) ENTIRE ASSEMBLY TO BE SOLVENT CLEANED PER SSPC-SP1, "NEAR WHITE BLAST" SSPC-SP10, (1)-COAT Tnemec SERIES 69 EPOXOLINE PRIMER, 3.0-5.0 MILS D.F.T. AFTER FABRICATION
- (4) (2)-TWO MULTIPLE POSITION FIXED VELOCITY BAFFLES REQ'D.
- (5) ITEMS IN ARE TO BE INSTALLED AT FIELD ERECTION.

CHEMICAL ADHESIVE ANCHOR BOLTS—  
3/4"-10 UNC x 10" (18-8 STN. STL.)  
6 1/2" EMBEDDED WITH 3 1/2" PROJECTION  
(8) REQ'D PER BAFFLE ASSEMBLY



(4) POSITION ADJUSTMENT 15,30,45, & 60 DEGREES

**SECTION: 'A-A'**

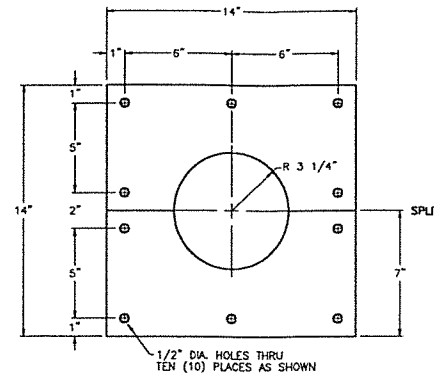
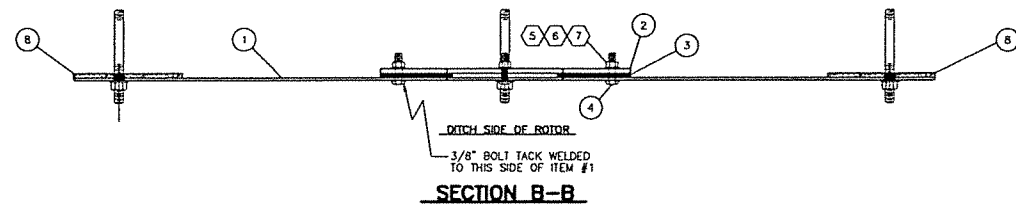
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01	1/99	PAV	SUBMITTED FOR APPROVAL		
00	12/98	DEE	SUBMITTED FOR APPROVAL		

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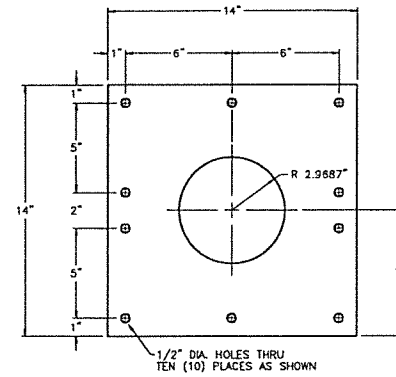
CITY OF WESLACO  
W.W.T.P. ADDITIONS & ALTERATIONS  
CITY OF WESLACO, TEXAS  
5300 MAMMOTH ROTOR  
ADJUSTABLE VELOCITY BAFFLE

DRAWN	D.E.E.
CHECKED	LINE IS 1" ON ORIGINAL DWG. 0"  1"
APPROVED	ADJUST SCALE ACCORDINGLY
DATE	12/21/1998
SCALE	NONE
SAVE NAME	9824-53\0100S3
SHEET	4 OF 7

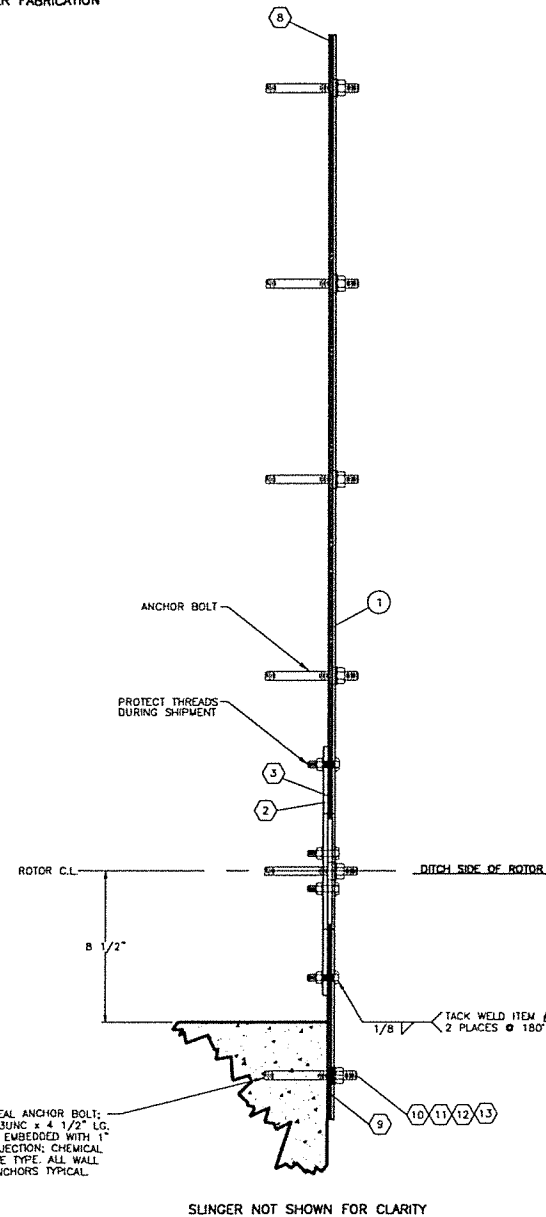
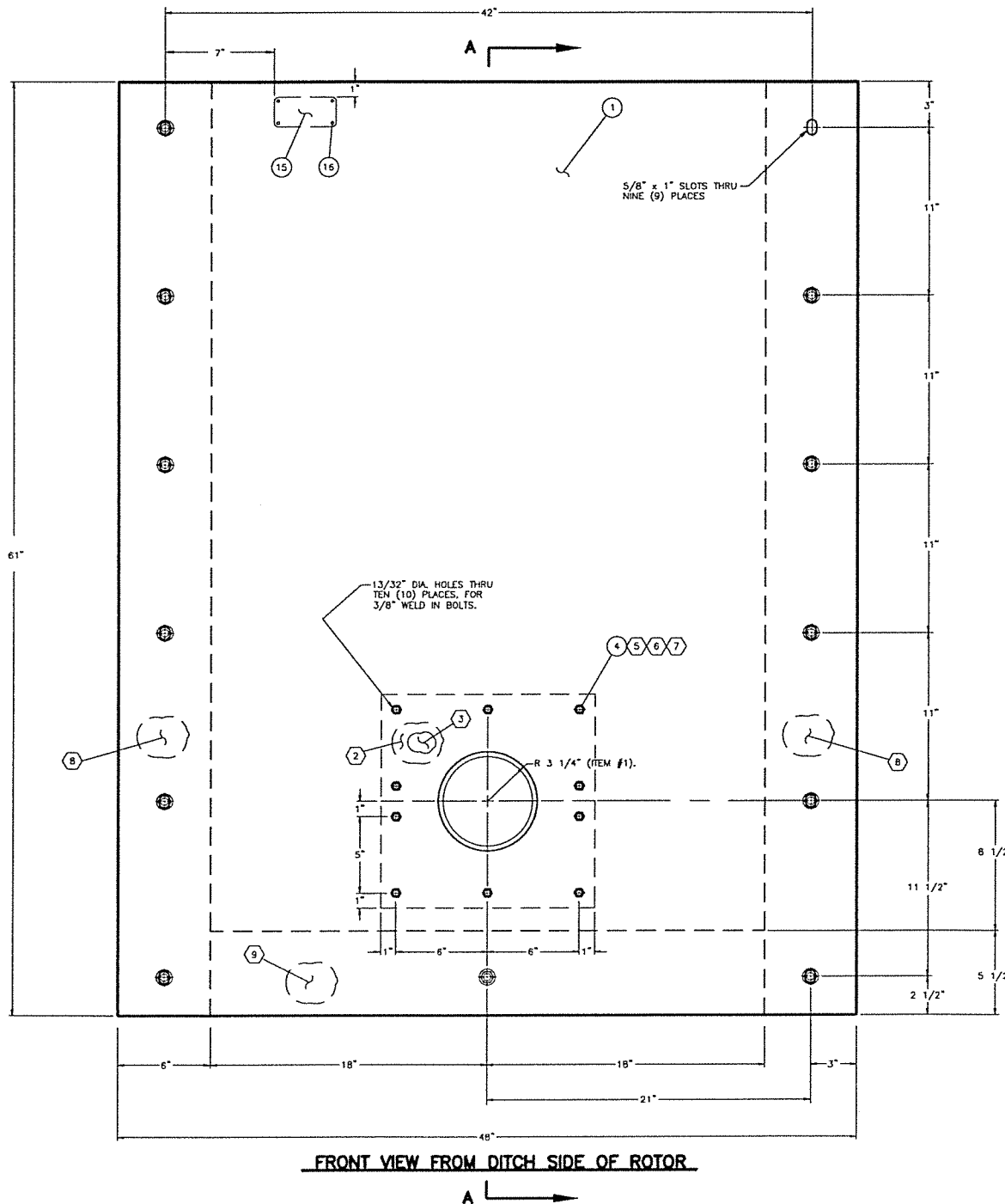
**USFilter**  
ZIMPRO PRODUCTS  
ROTHSCHILD, WI. 54474  
DRAWING NUMBER  
0798-2453-01  
REV.  
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DETAIL ITEM #2  
NOTE: SPLIT HORIZONTALLY  
AFTER FABRICATION



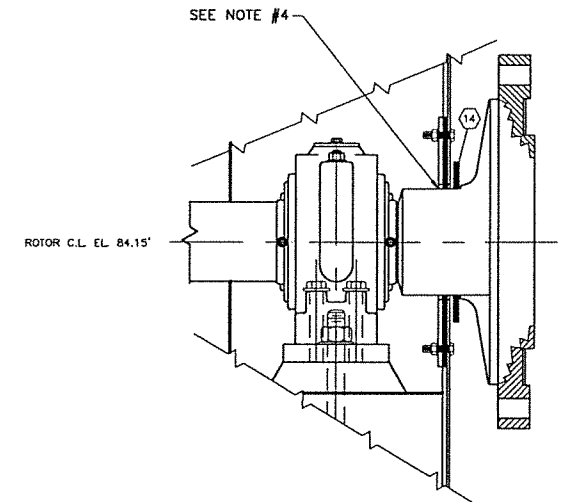
DETAIL ITEM #3



SECTION A-A

U.S. FILTER	
MAMMOTH ROTOR HORIZONTAL	
PROJECT NUMBER	9818-53
SERIAL NUMBER	98-67-XXX
DATE BUILT	1998
© U.S. FILTER/ZIMPRO ROTHSCHILD, WISCONSIN, USA 54474-0	

DETAIL ITEM #15



SHAFT SEALING & SLINGER  
ARRANGEMENT DETAIL

NOTES:

1. SHOP FINISH NONE; MILL FINISH IS ACCEPTABLE ON ALUMINUM SHEETS ITEM #1 & #2.
2. SET-UP CENTERLINE OF SHAFT HOLE AT CENTERLINE OF ROTOR ELEVATION AS SHOWN ON PLAN AND ELEVATION DRAWINGS.
3. INSTALL SLINGER ITEM #14, AND WALL SEAL PLATE ITEM #1 ON SHAFT BEFORE INSTALLING BEARING ON SHAFT.
4. CONTRACTOR TO SILICON CAULK BETWEEN ITEMS #1, #2, & #3 AROUND SHAFT OPENING; AND APPLY GREASE BETWEEN THE NEOPRENE SEAL AND SHAFT PRIOR TO START UP.
5. ITEMS IN ARE TO BE INSTALLED AT FIELD ERECTION.
6. INSTALL SERIAL PLATES ON DRIVE END WALL SEALS ONLY.

ITEM NO.	QTY PER ASSY	TOTAL QTY	PART NUMBER	DWG SIZE	BILL OF MATERIAL DESCRIPTION	UNIT WEIGHT	TOTAL WEIGHT	MATERIAL	C SYM.	PURCH ORDER
---WALL SEAL ASSEMBLY ITEMS-50---										
WALL SEAL PLATE:										
1	1	10	-	-	ALUMINUM SHEET; (190) x 48" x 61" LONG.	40	400	3003-H14	P	
2	1	10	-	-	ALUMINUM SHEET; 250 x 14" x 14" SQUARE	5	50	3003-H14	P	
NOTE: (ITEM #2 BECOMES TWO (2) PIECES).										
SHAFT SEAL:										
3	1	10	-	D	NEOPRENE; 250" x 14" x 14" SQUARE (PUNCHED).	1	10	DURO 60	P	
HARDWARE: WALL SEAL PLATE										
4	10	100	-	-	H.H.C.S.; 3/8"-16UNC x 1 3/4" LONG.	-	-	ALUMINUM	P	
5	10	100	-	-	FLAT WASHER; 3/8" NOM. DIA.	-	-	18-8 S.S.	P	
6	10	100	-	-	LOCK WASHER; 3/8" NOM. DIA.	-	-	18-8 S.S.	P	
7	10	100	-	-	HEX NUT; 3/8"-16UNC	-	-	18-8 S.S.	P	
NEOPRENE SEALS:										
8	2	20	-	-	NEOPRENE SPONGE; 1/4" x 6" x 35" LONG.	5	10	GLUED CELL WITH P.E.A. BACKING	P	
9	1	10	-	-	NEOPRENE SPONGE; 1/4" x 6" x 36" LONG.	.25	2.5	GLUED CELL WITH P.E.A. BACKING	P	
ANCHOR BOLTS:										
10	13	115	-	-	FULL THREADED ROD; 1/2"-13UNC x 4 1/2" LONG.	-	-	304 S.S.	P	
11	13	115	-	-	FLAT WASHER; 1/2" NOM. DIA.	-	-	304 S.S.	P	
12	13	115	-	-	HEX NUT; 1/2"-13UNC	-	-	304 S.S.	P	
13	1	3	-	-	"HILTI HIT C-100"; SMALL CARTRIDGE OR EQUAL	-	-	ASSEMBLY	P	
NOTE: ONE (1) CARTRIDGE DOES 30 ANCHOR BOLTS.										
SLINGER:										
14	1	10	0642-9007	-	3/8" THICK x 5 15/16" (+0/-1/16") I.D. x 9" O.D.	-	-	NEOPRENE DURO 50	S	STOCK
STOCK PART #K00J007815 (MOUNTS ON STUB SHAFT, ON DITCH SIDE).										
SERIAL PLATE: (MOUNT ON DRIVE WALL SEAL ONLY).										
15	1	5	3999-2003	-	SERIAL PLATE; STAMP AS SHOWN USING SERIAL NO'S.	-	2.5	STN. STL.	P	
98-67-XXX THRU 98-67-XXX.										
16	4	20	4381-3312	-	1/8" DRIVE RIVET x 3/8" LONG.	-	-	STN. STL.	P	
						TOTAL WEIGHT = 475#				

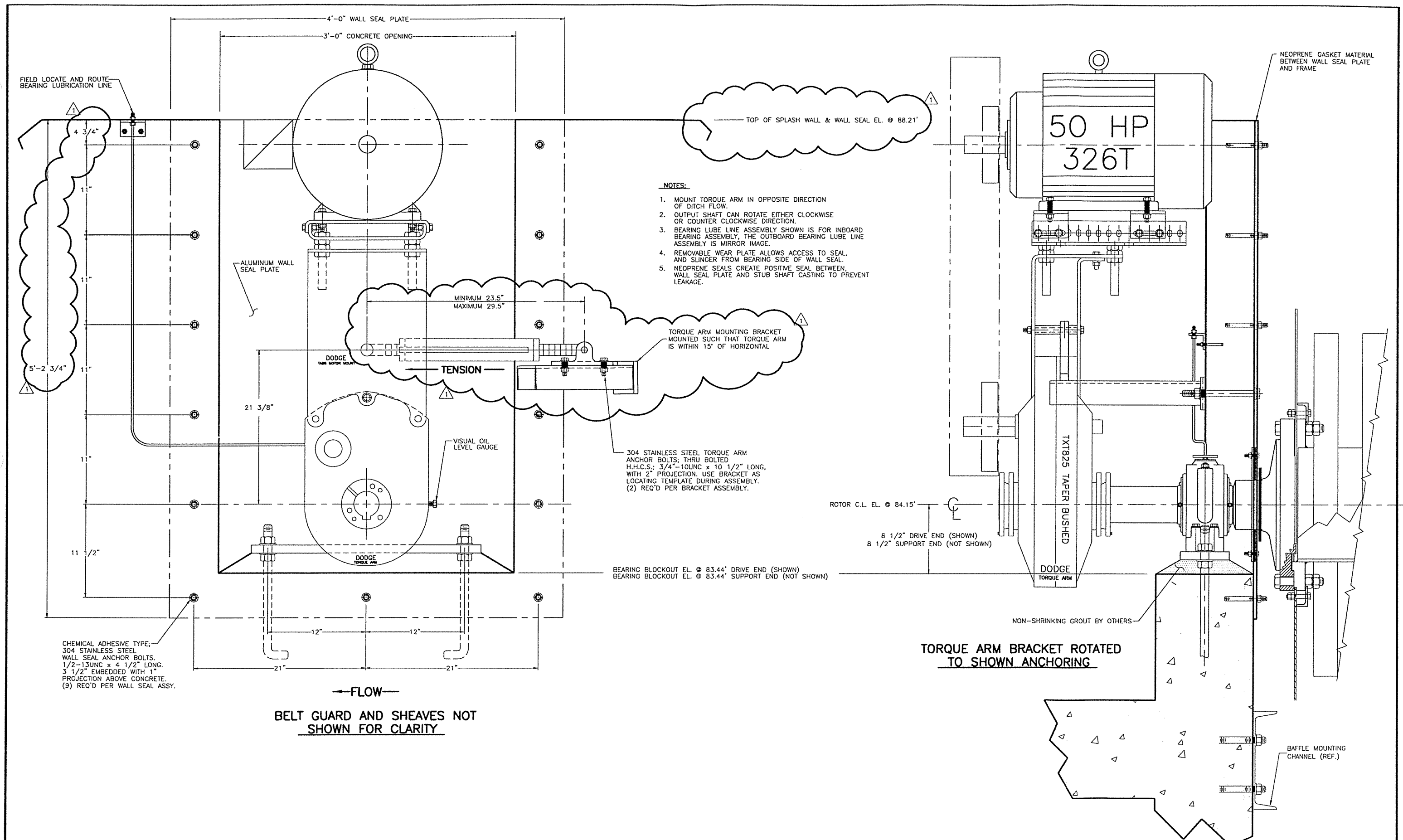
REV.	DATE	BY	DESCRIPTION	CHECKED	APPR'D
00	9/98	DED	SUBMITTED FOR APPROVAL.		

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CITY OF WESLACO  
W.W.T.P. EXPANSION & IMPROVEMENTS  
CITY OF WESLACO, TEXAS  
WALL SEAL ASSEMBLY  
5300 MAMMOTH ROTOR

DRAWN	D.E. DEGNER
CHECKED	LINE IS 1" ON ORIGINAL DWG.
APPROVED	0" 1"
DATE	09/28/98
SAVE NAME	9818-53\010053
SHEET	3 OF 7

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ZIMPRO PRODUCTS  
ROTHSCHILD, WI. 54474  
DRAWING NUMBER  
0798-1853-01  
REV. 00



REV.	DATE	BY	DESCRIPTION	CHK'D	APPR'D
1	5/99	JLT	REV'D SPLASH WALL & TORQUE ARM MOUNTING BRACKET PER ENG COMMENTS		
00	9/98	DED	SUBMITTED FOR APPROVAL.		

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CITY OF WESLACO  
W.W.T.P. EXPANSION & IMPROVEMENTS  
CITY OF WESLACO, TEXAS  
5300 MAMMOTH ROTOR  
AERATOR WALL SEAL

DRAWN	D.E. DEGNER	LINE IS 1" ON ORIGINAL DWG
CHECKED		0" ADJUST SCALE ACCORDINGLY
APPROVED		SCALE NONE
DATE	09/28/98	
SAVE NAME	9818-53\0100S2	SHEET 2 OF 7

**USFilter**  
ZIMPRO PRODUCTS  
ROTHSCHILD, WI. 54474  
DRAWING NUMBER  
0798-1853-00  
REV. 1